

## ABSTRACT

The present invention provides a trackball and an in-vehicle device controller using the trackball. The trackball provides a stable operational feel and is easy to operate even in an environment in a vehicle where vibration and movement are present. The trackball includes a ball made of a non-magnetic material and having embedded therein bar members made of a magnetic material and arranged on three axes orthogonal to one another, a case enclosing the ball such that at least an upper portion of the ball is exposed, magnetic members fixed to the case on two axes penetrating through the center of the ball and orthogonal to each other so as to allow magnetic coupling to ends of the bar members, and another magnetic member fixed to the case on an axis penetrating through the center of the ball and orthogonal to the two axes so as to allow magnetic coupling to an end of one of the bar members.